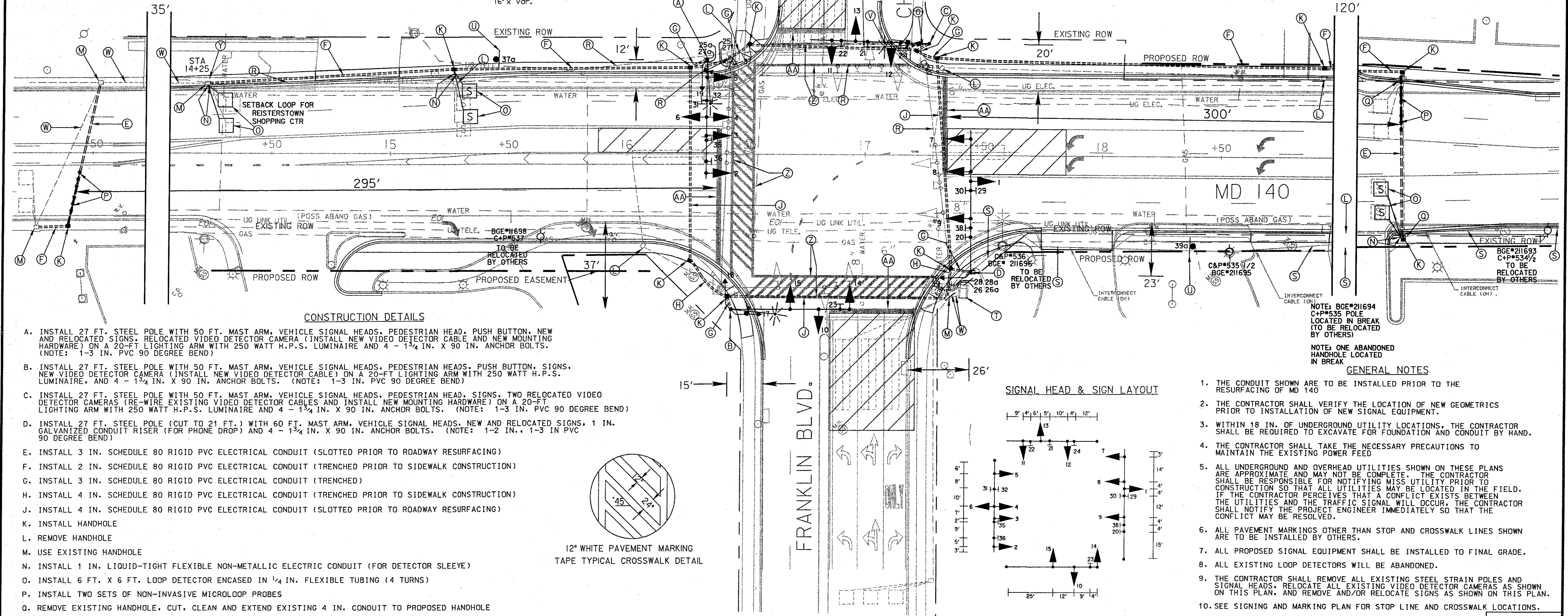
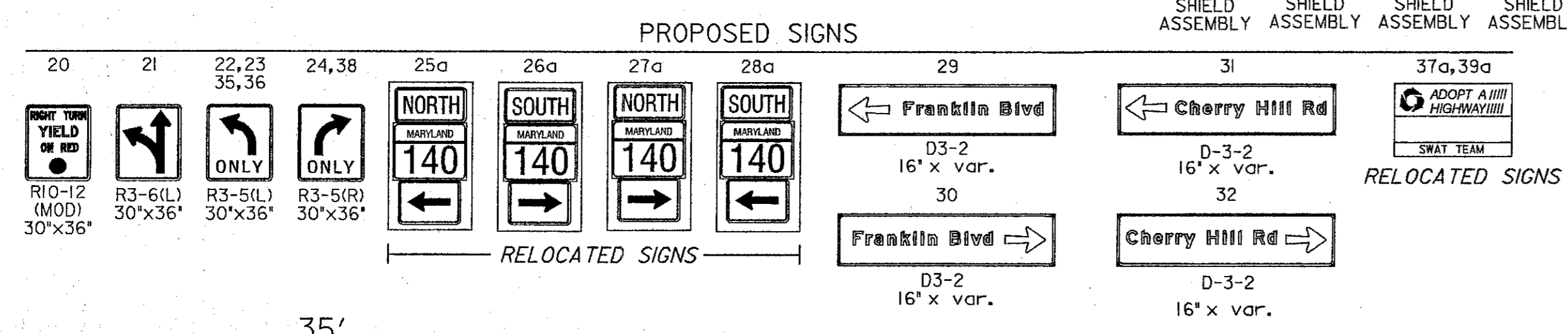
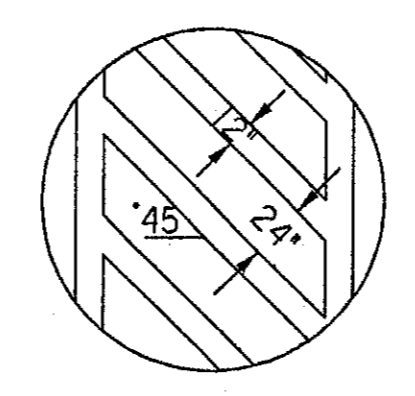


NEMA PHASING NOTES:
1. PHASES ASSOCIATED BY A DASHED LINE MAY/WILL OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.



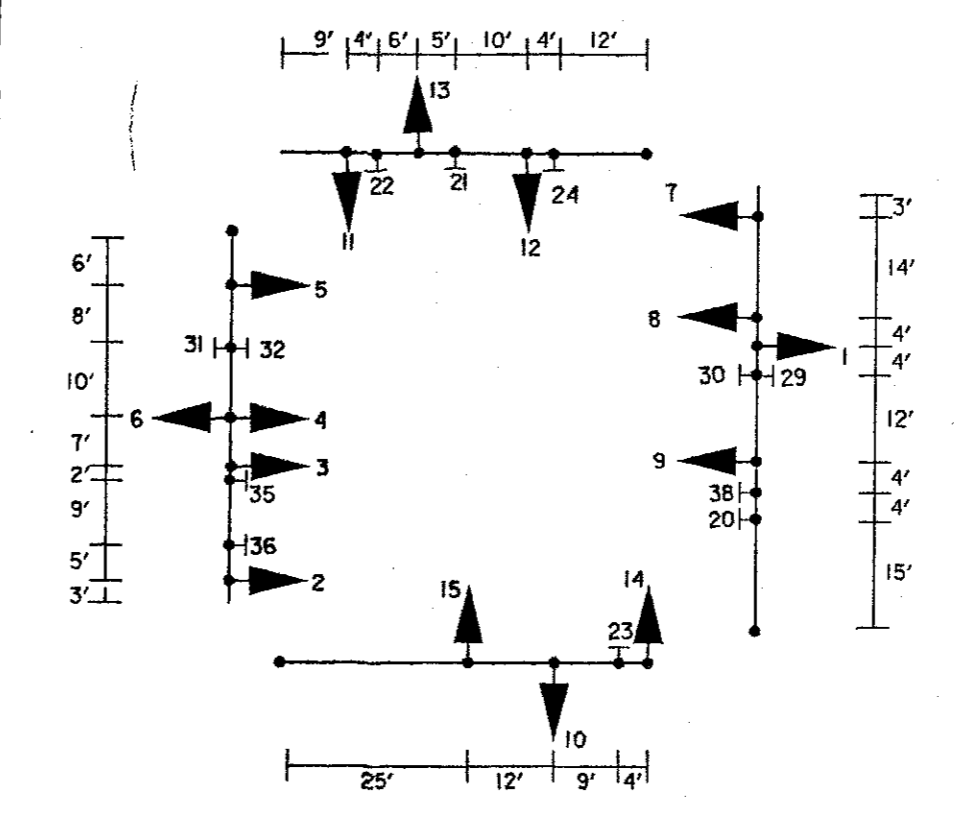
CONSTRUCTION DETAILS

- INSTALL 27 FT. STEEL POLE WITH 50 FT. MAST ARM, VEHICLE SIGNAL HEADS, PEDESTRIAN HEAD, PUSH BUTTON, NEW AND RELOCATED SIGNS, RELOCATED VIDEO DETECTOR CAMERA (INSTALL NEW VIDEO DETECTOR CABLE AND NEW MOUNTING HARDWARE) ON A 20-FT LIGHTING ARM WITH 250 WATT H.P.S. LUMINAIRE AND 4 - 1 3/4 IN. X 90 IN. ANCHOR BOLTS. (NOTE: 1-3 IN. PVC 90 DEGREE BEND)
- INSTALL 27 FT. STEEL POLE WITH 50 FT. MAST ARM, VEHICLE SIGNAL HEADS, PEDESTRIAN HEADS, PUSH BUTTON, SIGNS, NEW VIDEO DETECTOR CAMERA (INSTALL NEW VIDEO DETECTOR CABLE) ON A 20-FT LIGHTING ARM WITH 250 WATT H.P.S. LUMINAIRE, AND 4 - 1 3/4 IN. X 90 IN. ANCHOR BOLTS. (NOTE: 1-3 IN. PVC 90 DEGREE BEND)
- INSTALL 27 FT. STEEL POLE WITH 50 FT. MAST ARM, VEHICLE SIGNAL HEADS, PEDESTRIAN HEAD, SIGNS, TWO RELOCATED VIDEO DETECTOR CAMERAS (RE-WIRE EXISTING VIDEO DETECTOR CABLES AND INSTALL NEW MOUNTING HARDWARE) ON A 20-FT LIGHTING ARM WITH 250 WATT H.P.S. LUMINAIRE AND 4 - 1 3/4 IN. X 90 IN. ANCHOR BOLTS. (NOTE: 1-3 IN. PVC 90 DEGREE BEND)
- INSTALL 27 FT. STEEL POLE (CUT TO 21 FT.) WITH 60 FT. MAST ARM, VEHICLE SIGNAL HEADS, NEW AND RELOCATED SIGNS, 1 IN. GALVANIZED CONDUIT RISER (FOR PHONE DROP) AND 4 - 1 3/4 IN. X 90 IN. ANCHOR BOLTS. (NOTE: 1-2 IN., 1-3 IN PVC 90 DEGREE BEND)
- INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (SLOTTED PRIOR TO ROADWAY RESURFACING)
- INSTALL 2 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED PRIOR TO SIDEWALK CONSTRUCTION)
- INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED)
- INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED PRIOR TO SIDEWALK CONSTRUCTION)
- INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (SLOTTED PRIOR TO ROADWAY RESURFACING)
- INSTALL HANDHOLE
- REMOVE HANDHOLE
- USE EXISTING HANDHOLE
- INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC ELECTRIC CONDUIT (FOR DETECTOR SLEEVE)
- INSTALL 6 FT. X 6 FT. LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING (4 TURNS)
- INSTALL TWO SETS OF NON-INVASIVE MICROLOOP PROBES
- REMOVE EXISTING HANDHOLE, CUT, CLEAN AND EXTEND EXISTING 4 IN. CONDUIT TO PROPOSED HANDHOLE
- PULL EXISTING INTERCONNECT CABLE TO HANDHOLE LOCATED AT STA 14+25 LEFT AND RE-WIRE ACCORDING TO THE WIRING DIAGRAM
- PULL EXISTING INTERCONNECT CABLE TO BGE POLE # 211693 AND RE-WIRE ACCORDING TO THE WIRING DIAGRAM
- USE EXISTING TRAFFIC SIGNAL CONTROLLER
- RELOCATE POLE-MOUNTED SIGN TO 4 IN. X 4 IN. WOOD POST
- EXISTING GROUND-MOUNTED SIGN TO BE RELOCATED BY OTHERS
- USE EXISTING CONDUIT
- SPLICE EXISTING 2-CONDUCTOR ALUMINUM SHIELDED (NO. 14 A.W.G.) ELECTRICAL CABLES TO NEW LOOP WIRES FOR REISTERSTOWN SHOPPING CENTER SETBACK LOOPS
- INSTALL 12 IN. WHITE HEAT-APPLIED THERMOPLASTIC PERMANENT PAVEMENT MARKING FOR CROSSWALK LINES
- INSTALL 24 IN. WHITE HEAT-APPLIED THERMOPLASTIC PERMANENT PAVEMENT MARKING FOR STOP LINES



12" WHITE PAVEMENT MARKING TAPE TYPICAL CROSSWALK DETAIL

SIGNAL HEAD & SIGN LAYOUT



UTILITY LEGEND

G	GAS MAIN
W	WATER MAIN
S	SEWER MAIN
E	ELECTRIC CABLES
A	AERIAL CABLES
T	TELEPHONE CABLES

STV Incorporated
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REVISIONS	APPROVALS
ADDENDUM NO. 1 3/7/02	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
1. FULL SIGNAL RECONSTRUCT DUE TO GEOMETRIC CHANGES SHA NO. BA-122216 1/2002	ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
2. ADD 60 FT. OVERLAP MEASURE SIGNALS, TETHER AND LUMINAIRE/BRACKET ARM TO STRAIN POLE SHA NO. 22005405 6/2000	CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
3. INSTALL DETECTORS AND INTERCONNECT SHA NO. B-106-00-405 11/1994	DIRECTOR, TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
MD 140 AND FRANKLIN BOULEVARD / CHERRY HILL ROAD

DRAWN BY: W.R. SMITH	F.A.P. NO. BW 996M82	SEE TITLE SHEET	TS NO. 2159 D
CHECKED BY: S.E. WEBER	S.H.A. NO. COUNTY: BALTIMORE	T.I.M.S. NO. E-557	SHEET NO. 9 OF 12
SCALE: 1 IN. = 20 FT.	DATE: JANUARY, 1986	LOG MILE:	